



A.D. 1795 N° 2071.

S P E C I F I C A T I O N

OF

LOUIS JOSEPH FRANCOIS JULIEN
COUNT DE ROBIEⁿEN.

FIRE-PLACES.

L O N D O N :

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A.D. 1795 N° 2071.

Fire-places.

ROBIEN'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, LOUIS JOSEPH FRANÇOIS JULIEN Count de ROBIEN, of East Street, in the Parish of Saint Mary-le-bone, send greeting.

WHEREAS His most Excellent Majesty King George the Third did, by
5 His Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Twenty-second day of October, in the thirty-fifth year of His reign, give and grant unto me, the said Louis Joseph François Julien Count de Robien, His especial licence that I, the said Louis Joseph François Julien Count de Robien, during the term of years therein mentioned, should
10 and lawfully might use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-Tweed, my Invention of "A FIRE-PLACE, WHICH I CALL THE **ECONOMICAL FIRE-PLACE**, BY MEANS WHEREOF, AND OF A NEW METHOD OF DISPOSING OF THE FUEL THEREIN, ONE HALF OF THE FUEL NOW NECESSARY TO PRODUCE ANY CERTAIN DEGREE OF HEAT WILL BE EFFECTUALLY SAVED, AND IS ALSO
15 THE MOST CERTAIN MEANS TO PREVENT THE CHIMNEY FROM SMOKING;" in which said Letters Patent there is contained a proviso obliging me, the said Louis Joseph François Julien Count de Robien, by an instrument in writing under my hand and seal, to cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, to be inrolled in
20 His Majesty's High Court of Chancery within one calendar month after the date of the said recited Letters Patent, as in and by the same (relation being thereunto had) may more fully and at large appear.

Robien's Invention of a Fire-place.

NOW KNOW YE, that in compliance with the said proviso, I, the said Louis Joseph François Julien Count de Robien, do hereby declare that my said Invention is described in the plan and description thereof hereunto annexed, and in manner following (that is to say):—

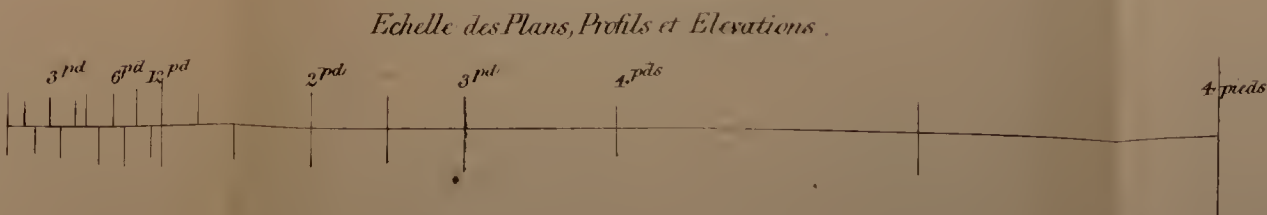
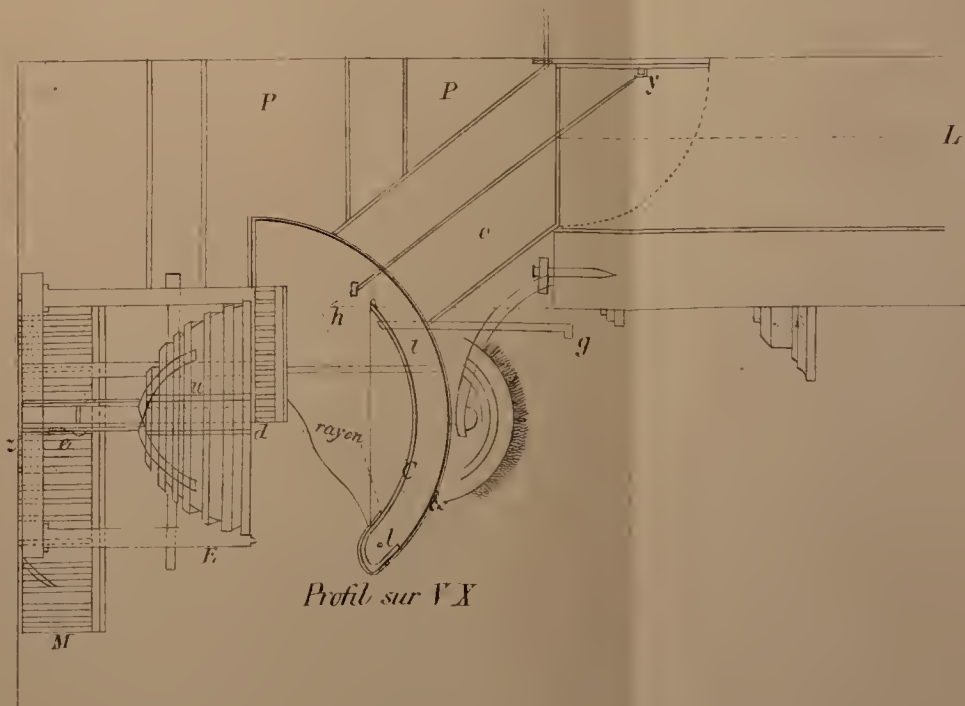
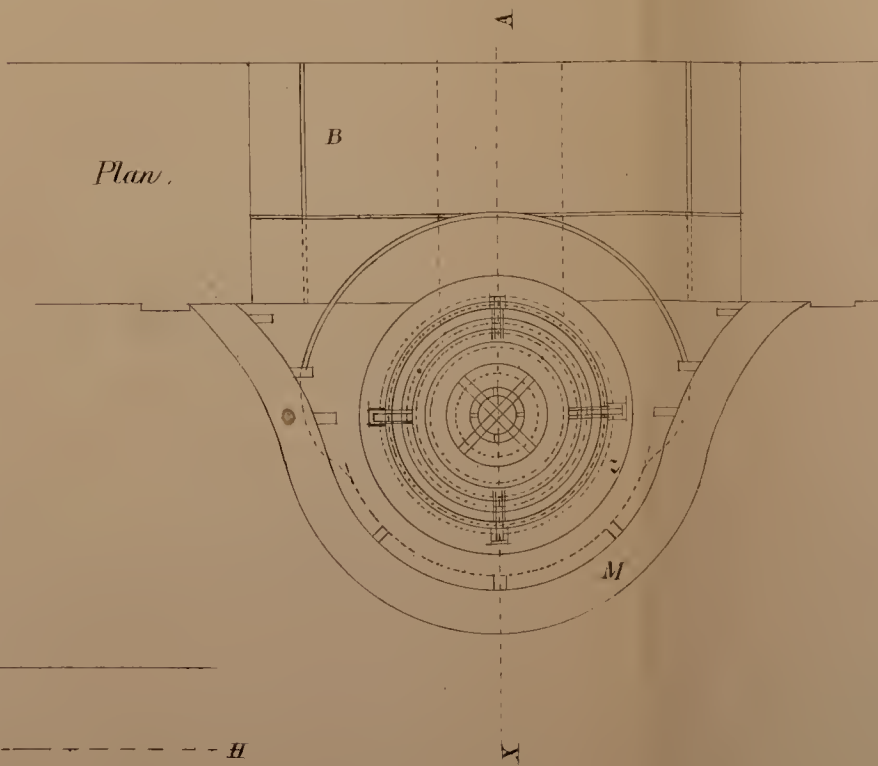
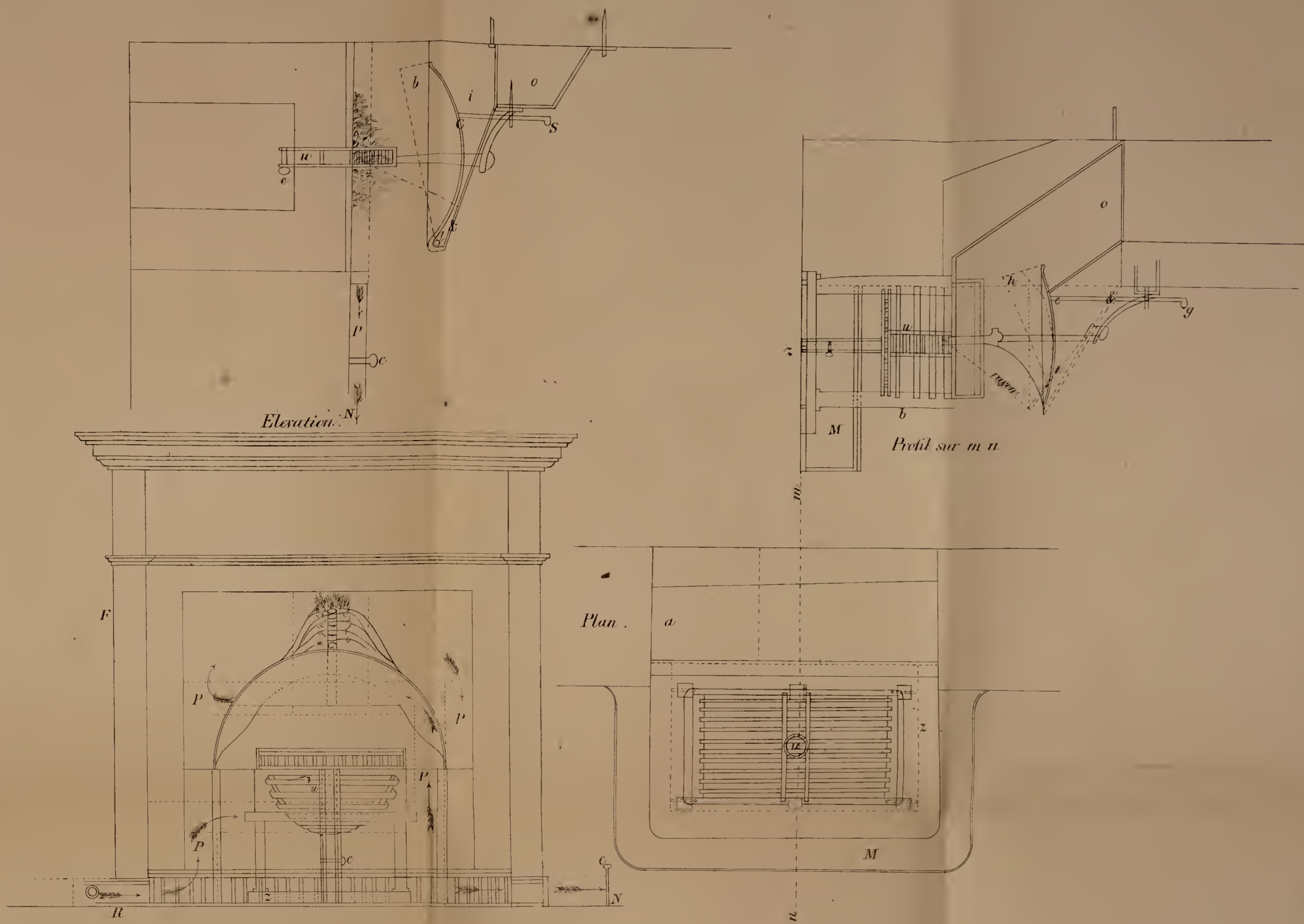
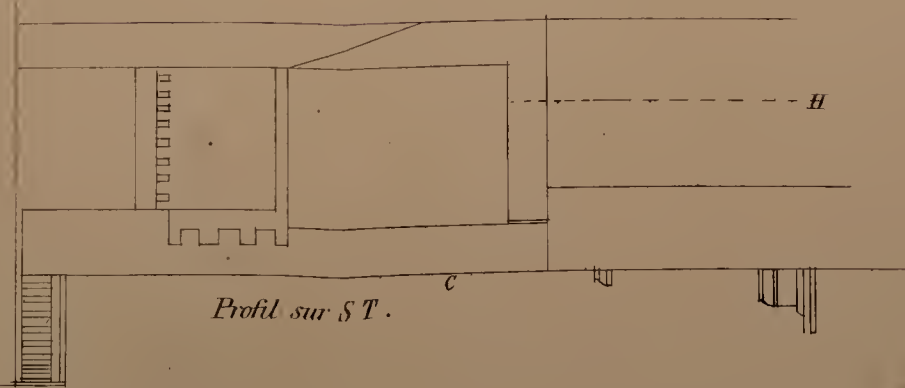
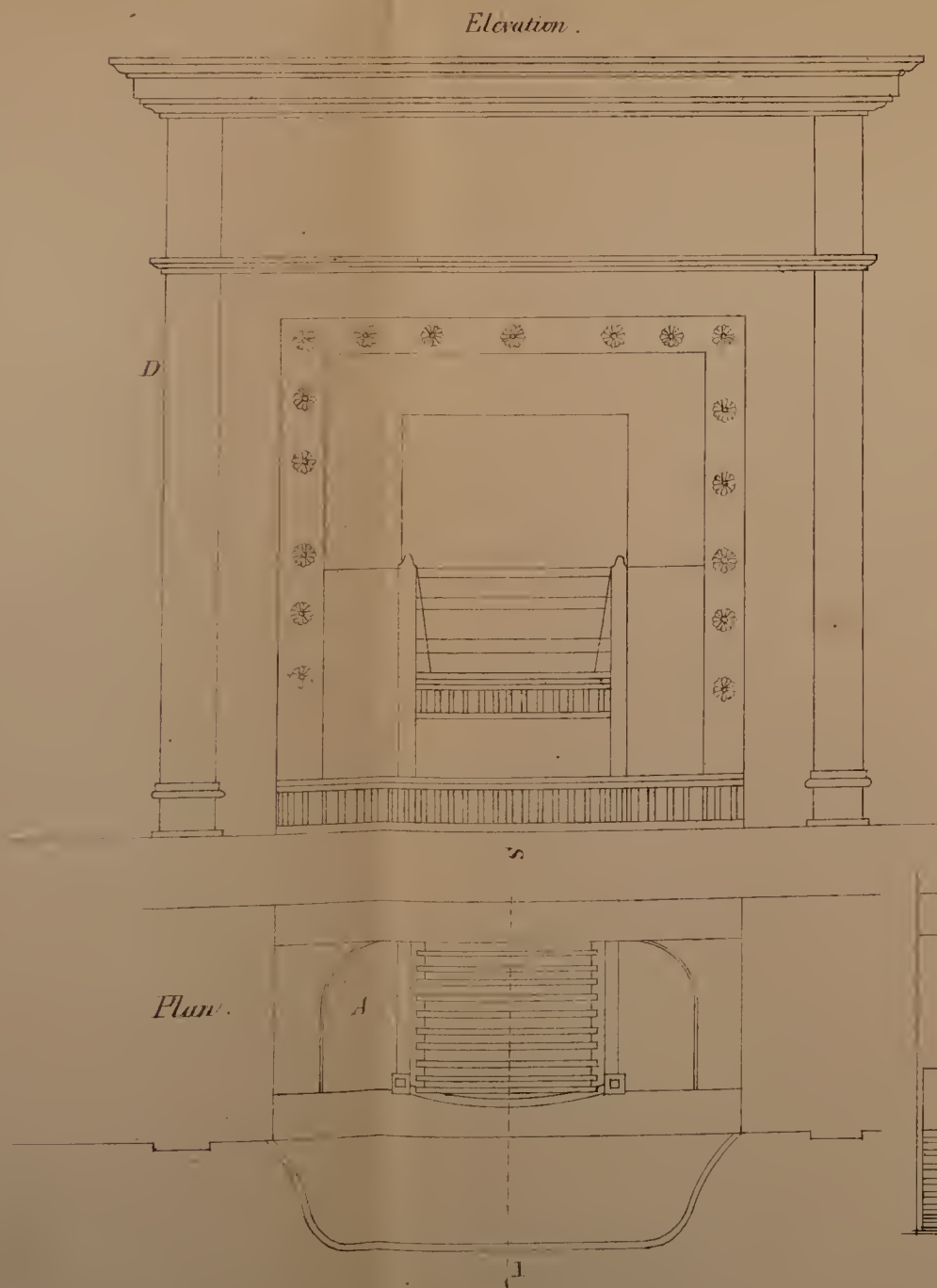
This œconomical stove is of a circular, ellyptical, or rectangular form. It 5 stands detached, and is brought forward into the room. It is furnished with a moveable reflector of a spherical, ellyptical, flat, or cylindrical form. This reflector has a cover of similar shapes, or even flat. This stove has a hole in its centre, in which is fixed a hollow channel in a perpendicular or inclined position, projecting below and above the grate 10 of the stove; but the upper part of this channel is pierced to admit the air ascending from below to the fire in the grate. The construction must vary according to the construction of the chimnies to which it is applied. The reflector and cover may be suspended by a collar, a pin, or by the supporters, or by a chain inclining from the reflector. The annexed Drawing and the 15 explanatory references will be found to answer the above description. The advantages derived from this stove are the following:—A greater quantity of heat from the same quantity of fuel used in common stoves, and consequently a saving in the fuel, as the reflector throws the heat into the room, or upon the stove itself, if required, as is the case in kitchen ranges or forges, where 20 the greatest part of the heat is lost in chimnies constructed in the common manner. In kitchen chimnies, the reflector throwing back upon the stove the heat (which commonly ascends through the chimney), it surrounds the vessels placed upon the fire, and accelerates the boiling of meat, vegetables, &c. In forges the reflector gathers and concentrates the heat upon the metals to be 25 heated. Heat flues, or pipes for communicating the heat, may also be adapted to this œconomical stove or grate (as will be seen by the annexed Drawing), and may be used to great advantage. This stove or grate is a more certain preventive of smoke, as it prevents the smoke of the adjacent flues from coming into the room. The cover of the reflector is an additional 30 means of preventing smoke in case it should be brought back again by the cylindric aperture through which it escapes, as it forms a reservoir, where, meeting with the least resistance, it is carried. The vertical channel or flue in the middle of the grate causes a more perfect combustion by the free circulation of air, and by that means diminishes the quantity of smoke. In 35 short, none of the heat produced by the fire is lost, but all reflected into the room, upon the vessels on the fire, or upon the metals which are heated in a forge. The Drawings hereunto annexed, and forming part of this my Specification, will serve further to explain the principles of my said Invention, as

LEGENDE

- A Plan d'une cheminée en usage
B Plan du foyer à reverbers mobiles economique
preservant de la fumee
C Profil sur la ligne ST
D Elevation
E Profil sur la ligne VX
F Elevation
G Reverbere
H Verticale
I Reservoir pour la fumee
L Verticale
M Fender
N Entrée de l'air extérieur
O Tuyau cylindrique pour la fumée.
P Conduit de l'air extérieur
R Bouche de chaleur
Z Platine de fer couté de deux poudres d'épaisseur
& surface courbe couvrant le reverbere
d Grillage de retenue pour charger le foyer
y Trappe pour fermer la cheminée
g Branche d'inclinaison du reverbere
l Charnière du reverbere
a Foyer de cuisine
b Profil sur la ligne m n
h Arc d'inclinaison
u Vide au centre du foyer, et conduite d'air
e Clef pour fermer la conduite d'air
Y Profil d'une forge d'artiste
P Conduite d'air pour tenir
e Clef pour fermer a conduit d'air

REFERENCES to the DRAWINGS .

- A Plan of a Fire place commonly in use .
B Plan of a Fire place fitted up with a stove
with a Reflector and Apparatus
C Profile on the line ST
D Elevation of the same
E Profile on the line VX
F Elevation of the same
G The Reflector
I Reservoir for the Smoke
M The Fender
k The metallic piece covering the Reflector
g Piece by which the inclination of the Reflector is adjusted.
a Kitchen fire place
b Profile on the line m n
u Empty space in the center of the fire occupied
by the conducting air tube
Y Profile of a Forge
P A tube to convey air instead of Bellows, occasionally
e Key or handle of a Register



Robien's Invention of a Fire-place.

well as to exhibit some of the forms under which it may practically be carried into effect. But, at the same time, I do hereby assert and claim whatever privilege or exclusive right and advantage I may by law be entitled to in the general application of the said principles, and do not confine the application of the same to any individual or particular construction exclusively, since these
5 may easily be varied by any ingenious mechanic.

In witness whereof, I, the said Louis Joseph François Julien Count de Robien, have hereunto set my hand and seal, this Twenty-first day of November, in the year of our Lord One thousand seven hundred and
10 ninety-five.

LE C^{DE} DE ROBIEN. (L.S.)

Taken and acknowledged by the above-
named Louis Joseph François Julien
Count de Robien, at the Public
15 Office in Symond's Inn, this Twenty-
first day of November 1795, before me. }

THOMAS MOORE SLADE, Esquire, maketh oath and saith, that he hath asked Louis Joseph François Julien Count de Robien, who is a Frenchman, and doth not speak or understand English, in the presence and hearing of John
20 Simeon, Esquire, Master in Chancery, whether the subscription Le C^t de Robien, and the seal annexed to the Specification of a Patent for a fire-place now produced, is his hand and seal, and whether the said Instrument contains the Specification of his Patent which he desires to have inrolled; and that the said Le C^{te} de Robien, in answer thereto, doth say, in the presence
25 and hearing of the said Master, that they are his hand and seal, and that such Instrument doth contain the Specification of his Patent which he desires to have inrolled.

T. MOORE SLADE.

Sworn at the Public Office in Symond's
30 Inn, this 21st day of November
1795, before } JOHN SIMEON.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1855.

Inrolled the same day.

